

APPENDIX 12. Number of bird species shared between sample years (1995 and 1996) for each reach based on point count bird data.

Reach	Reach pair	Total species	Species unique to 1995	Species unique to 1996	Species shared 1995/1996	1995 species in 1996 (%)	1996 species in 1995 (%)	Similarity index between reaches*	Similarity index between years†
Burton 4	Ward 2	45	8	9	28	77.8	75.7	0.646	0.767
Griff 4	McFaul 3	37	9	3	25	73.5	73.5	0.783	0.807
McFaul 3	Sltrhse 1	46	5	11	30	85.7	76.1	0.775	0.790
Meeks 4	Burton 4	31	7	7	17	70.8	77.4	0.567	0.708
Saxon 4	Griff 4	39	11	6	22	66.7	84.6	0.776	0.721
Slaughterhouse 1	Saxon 4	51	10	6	35	77.8	88.2	0.718	0.814
Third 4	Slaughterhouse 1	27	6	7	14	70.0	74.1	0.554	0.683
Ward 2	Meeks 4	37	4	8	25	86.2	78.4	0.604	0.807
<i>Average</i>		<i>39.1</i>	<i>7.5</i>	<i>13.9</i>	<i>24.5</i>	<i>76.1</i>	<i>78.5</i>	<i>0.678</i>	<i>0.762</i>

\* Sorensen's Similarity Index was calculated to compare composition between years, between reaches and between visits for each data set on each of 8 sample reaches. Between reach data are same 1995 visits used for the between year comparison, paired with a randomly selected reach of the same visit.

† Between year data are 1996 data and the visit in 1995 that was closest in month and year to the 1996 visit.

APPENDIX 13. Number of invertebrate families shared between sample years (1995 and 1996) for each reach based on pitfall trap data.

Reach	Reach pair	Total families	Families unique to 1995	Families unique to 1996	Families shared 1995/1996	1995 families in 1996 (%)	1996 families in 1995 (%)	Similarity index between visits*	Similarity index between reaches†	Similarity index between years††
Burton 4	Ward 2	39	10	18	11	52.4	37.9	0.256	0.500	0.440
Griff 4	Meeks 4	33	4	24	9	55.6	17.2	0.160	0.250	0.263
McFaul 3	Ward 2	32	5	17	9	66.7	37.0	----	0.533	0.476
Meeks 4	Third 4	26	6	11	9	60.0	45.0	0.516	0.400	0.514
Saxon 4	Griff 4	36	7	23	6	46.2	20.7	0.414	0.272	0.286
Slaughterhouse 1	Third 4	32	12	13	17	36.8	35.0	0.409	0.294	0.359
Third 4	Burton 4	37	6	22	9	60.0	29.0	0.390	0.444	0.391
Ward 2	Meeks 4	40	2	25	13	86.7	34.2	0.414	0.533	0.491
<i>Average</i>		<i>34.5</i>	<i>6.5</i>	<i>19.1</i>	<i>10.4</i>	<i>58.0</i>	<i>32.0</i>	<i>0.366</i>	<i>0.403</i>	<i>0.403</i>

\* Sorensen's Similarity Index was calculated to compare composition between years, between reaches and between visits for each data set on each of 8 sample reaches. Between visit data were the 2 visits in 1995 compared to one another.

† Between reach data were same 1995 visits used for the between year comparison, paired with a randomly selected reach of the same visit.

†† Between year data were 1996 data and the visit in 1995 that was closest in month and year to the 1996 visit.

APPENDIX 14. Number of invertebrate families shared between sample years (1995 and 1996) for each reach based on sweepnet data.

Reach	Reach pair	Total families	Families unique to 1995	Families unique to 1996	Families shared 1995/1996	1995 families in 1996 (%)	1996 families in 1995 (%)	Similarity index between visits*	Similarity index between reaches†	Similarity index between years††
Burton 4	Saxon 4	75	13	26	18	58.1	40.9	0.436	0.054	0.480
Griff 4	Mcfaul 3	5	3	2	0	0.0	0.0	0.000	0.000	0.000
McFaul 3	Meeks 4	25	9	14	2	18.2	12.5	0.273	0.182	0.148
Meeks 4	Burton 4	20	8	9	3	27.3	25.0	0.000	0.333	0.261
Saxon 4	Griff 4	11	5	5	1	16.7	16.7	0.074	0.000	0.167
Slaughterhouse 1	Third 4	39	5	24	10	66.7	29.4	0.500	0.276	0.408
Third 4	Saxon 4	20	7	6	7	50.0	53.9	0.286	0.100	0.519
Ward 2	Burton 4	46	9	22	15	62.5	40.5	0.148	0.473	0.492
<i>Average</i>		<i>30.1</i>	<i>7.4</i>	<i>13.5</i>	<i>7.0</i>	<i>37.4</i>	<i>27.4</i>	<i>0.215</i>	<i>0.177</i>	<i>0.309</i>

\* Sorensen's Similarity Index was calculated to compare composition between years, between reaches and between visits for each data set on each of 8 sample reaches. Between visit data were the 2 visits in 1995 compared to one another.

† Between reach data were same 1995 visits used for the between year comparison, paired with a randomly selected reach of the same visit.

†† Between year data were 1996 data and the visit in 1995 that was closest in month and year to the 1996 visit.

APPENDIX 15. Number of vertebrate taxa shared between sample years (1995 and 1996) for each reach based on riparian search data.

Reach	Reach pair	Total taxa	Taxa unique to 1995	Taxa unique to 1996	Taxa shared 1995/1996	1995 taxa in 1996 (%)	1996 taxa in 1995 (%)	Similarity index between visits*	Similarity index between reaches†	Similarity index between years††
Burton 4	Saxon 4	31	6	15	10	62.5	40.0	0.526	0.619	0.488
Griff 4	Sltrhse 1	24	5	8	11	68.8	57.9	0.435	0.489	0.629
McFaul 3	Third 4	25	14	4	17	54.8	81.0	0.408	0.333	0.654
Meeks 4	Griff 4	14	5	5	4	44.4	44.4	0.500	0.387	0.444
Saxon 4	Meeks 4	27	11	7	9	45.0	56.3	0.387	0.457	0.500
Slaughterhouse 1	Saxon 4	37	10	9	18	64.3	66.7	0.615	0.571	0.655
Third 4	Meeks 4	12	4	4	4	50.0	50.0	0.444	0.231	0.500
Ward 2	Burton 4	38	9	11	18	66.7	62.1	0.607	0.510	0.643
<i>Average</i>		<i>26</i>	<i>8.0</i>	<i>7.9</i>	<i>11.4</i>	<i>57.1</i>	<i>57.3</i>	<i>0.490</i>	<i>0.450</i>	<i>0.564</i>

\* Sorensen's Similarity Index was calculated to compare composition between years, between reaches and between visits for each data set on each of 8 sample reaches. Between visit data were the 2 visits in 1995 compared to one another.

† Between reach data were same 1995 visits used for the between year comparison, paired with a randomly selected reach of the same visit.

†† Between year data were 1996 data and the visit in 1995 that was closest in month and year to the 1996 visit.

APPENDIX 16. Number of invertebrate families shared between sample years (1995 and 1996) for each reach based on riparian search data.

Reach	Reach pair	Total families	Families unique to 1995	Families unique to 1996	Families shared 1995/1996	1995 families in 1996	1996 families in 1995	Similarity index between visits*	Similarity index between reaches†	Similarity index between years††
Burton 4	Ward 2	29	6	14	9	60.0	39.1	0.400	0.500	0.474
Griff 4	Meeks 4	12	1	5	6	85.7	54.6	0.133	0.769	0.667
McFaul 3	Third 4	16	6	7	3	33.3	30.0	0.471	0.600	0.316
Meeks 4	Burton 4	12	0	10	2	100.0	16.7	0.500	0.476	0.286
Saxon 4	Meeks 4	16	2	13	1	33.3	7.1	0.154	0.222	0.118
Slaughterhouse 1	Burton 4	19	0	17	2	100.0	10.5	0.000	0.118	0.191
Third 4	Griff 4	16	7	4	5	41.7	55.6	0.522	0.444	0.476
Ward 2	Saxon 4	14	1	8	5	83.3	38.5	0.182	0.250	0.526
<i>Average</i>		<i>16.8</i>	<i>2.9</i>	<i>9.8</i>	<i>4.1</i>	<i>67.2</i>	<i>31.5</i>	<i>0.295</i>	<i>0.423</i>	<i>0.382</i>

\* Sorensen's Similarity Index was calculated to compare composition between years, between reaches and between visits for each data set on each of 8 sample reaches. Between visit data were the 2 visits in 1995 compared to one another.

† Between reach data were same 1995 visits used for the between year comparison, paired with a randomly selected reach of the same visit.

†† Between year data were 1996 data and the visit in 1995 that was closest in month and year to the 1996 visit.

APPENDIX 17. Number of plant species shared between sample years (1995 and 1996) for each reach based riparian search data.

Reach	Reach pair	Total species	Species unique to 1995	Species unique to 1996	Species shared 1995/1996	1995 species in 1996 (%)	1996 Species in 1995 (%)	Similarity index between visits*	Similarity index between reaches†	Similarity index between years††
Burton 4	Meeks 4	50	23	18	50	68.5	73.5	0.539	0.404	0.709
Griff 4	Third 4	26	10	18	26	72.2	59.1	0.612	0.328	0.650
McFaul 3	Slaughterhouse 1	20	14	17	20	58.8	54.1	0.593	0.263	0.563
Meeks 4	Griff 4	22	9	20	22	71.0	52.4	0.597	0.388	0.603
Saxon 4	Meeks 4	17	12	22	17	58.6	43.6	0.554	0.433	0.500
Slaughterhouse 1	Griff 4	25	17	12	25	59.5	67.6	0.718	0.410	0.633
Third 4	Meeks 4	24	24	9	24	50.0	72.7	0.506	0.290	0.593
Ward 2	Griff 4	34	14	32	34	70.8	51.5	0.558	0.310	0.597
<i>Average</i>		<i>27.2</i>	<i>15.4</i>	<i>18.5</i>	<i>27.5</i>	<i>63.7</i>	<i>59.3</i>	<i>0.585</i>	<i>0.353</i>	<i>0.606</i>

\* Sorensen's Similarity Index was calculated to compare composition between years, between reaches and between visits for each data set on each of 8 sample reaches. Between visit data were the 2 visits in 1995 compared to one another.

† Between reach data were same 1995 visits used for the between year comparison, paired with a randomly selected reach of the same visit.

†† Between year data were 1996 data and the visit in 1995 that was closest in month and year to the 1996 visit.

APPENDIX 18. Number of fungi genera shared between sample years (1995 and 1996) for each reach based on riparian search data.

Reach	Reach pair	Total genera	Genera unique to 1995	Genera unique to 1996	Genera shared 1995/1996	1995 genera in 1996	1996 genera in 1995	Similarity index between visits*	Similarity index between reaches†	Similarity index between years††
Burton 4	Third 4	17	4	9	4	50.0	30.8	0.714	0.444	0.381
Griff 4	Saxon 4	9	3	6	0	0.0	0.0	0.400	0.500	0.000
McFaul 3	Third 4	19	6	7	6	50.0	46.2	0.667	0.267	0.480
Meeks 4	Burton 4	20	5	12	3	37.5	20.0	0.667	0.615	0.261
Saxon 4	Ward 2	17	7	8	2	22.2	20.0	0.471	0.333	0.211
Slaughterhouse 1	Griff 4	13	5	7	1	16.7	12.5	0.546	0.444	0.143
Third 4	Slaughterhouse 1	9	4	5	0	0.0	0.0	0.286	0.444	0.000
Ward 2	Burton 4	5	2	2	1	33.3	33.3	0.667	0.444	0.333
<i>Average</i>		<i>13.6</i>	<i>4.5</i>	<i>7.0</i>	<i>2.1</i>	<i>26.2</i>	<i>20.3</i>	<i>0.552</i>	<i>0.437</i>	<i>0.226</i>

\* Sorensen's Similarity Index was calculated to compare composition between years, between reaches and between visits for each data set on each of 8 sample reaches. Between visit data were the 2 visits in 1995 compared to one another.

† Between reach data were same 1995 visits used for the between year comparison, paired with a randomly selected reach of the same visit.

†† Between year data were 1996 data and the visit in 1995 that was closest in month and year to the 1996 visit.